

Abstract of the Disclosure

An electronic energy meter senses input voltage and current signals and processes the input voltage and current signals to generate measurements of multiple types of power. The meter comprises a processing system for selecting one of the multiple types of power and defining the same as the selected type of power. The processing system also generates a pulsed test signal representative of a magnitude of a measurement of the selected type of power for testing the operation of the meter. The meter further comprises a communications interface coupled to the processing system for transmitting the pulsed test signal from the meter and for receiving signals from sources external to the meter. Selection of one of the multiple types of power can be achieved by the meter receiving, via the communications interface and from a source external to the meter, a communications command identifying a selected one of the various types of power. The communications interface may comprise an optical communications port.